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SECURITY INFORMATION

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German Democratic Republic

FDD Abstract

DESCRIPTION OF A COMPRESSOR PRODUCED BY EKM HALLE/SAALE (2 pp; [REDACTED] undated)

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This document is a [REDACTED] report [presumably part of a catalogue], compiled by EKM (Federation of People-Owned Enterprises for the Construction of Power Plant Machinery and Motors) in Halle/Saale, which gives a detailed, technical description of the low-pressure reciprocating compressor, model 521.301/2.

The compressor is used to supply compressed air in foundries, ore and coal mines, shipyards, workshops, etc. It has a capacity of 240 cubic meters per hour at a final maximum pressure of 6 atm. The compressor is a single-stage, two-cylinder, stationary, air-cooled model, ~~XXX~~ and is arranged in series. A detailed explanation is given of the individual parts, and of the operation, lubrication, and regulation of the compressor. It is stated that the advantages of the air-cooled compressor over those which are water-cooled are: In an air-cooled compressor, the highest degree of operational safety is guaranteed, regardless of place of installation, and a reduction of the cooling effect through pollution is impossible. An air-cooled compressor is also reliable and does not require servicing at the lowest temperatures, since the danger of the cooling water becoming frozen is eliminated.

In addition to a photograph and a diagram of different views of the compressor, the report contains a table of dimensions and capacity, which gives figures on the machine as a whole and on its individual parts.

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[Foreign language document or microfilm of it [REDACTED] is available from CIA library, ext. [REDACTED]

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